

AIR RESOURCES BOARD

2020 L STREET
P.O. BOX 2815
SACRAMENTO, CA 95812



December 21, 1994

Mr. Arthur C. Fink, Jr.
Vice President, Engineering
Husky Corporation
Post Office Box 67
Pacific, Missouri 63069

#94-29

Dear Mr. Fink:

Approval of the Husky V34 6250 Nozzle with the WayneVac and
the Tokheim MaxVac Systems

You requested California Air Resources Board (CARB) approval of the Husky V34 6250 nozzle with the Dresser Industries, Wayne Division WayneVac vapor recovery system and the Tokheim MaxVac vapor recovery system.

The Husky V34 6250 is the same nozzle body as the currently certified Husky V34 6200, but with a conventional spout and a mini-boot regarded by Husky as a vapor splash guard (VSG). The VSG is used instead of a coaxial spout to direct the gasoline vapors to the base of the spout. The sealing of the VSG with the fill-pipe interface is not as critical with a balance vapor recovery system since this nozzle is used on vapor assist systems.

As required by the Air Resources Board certification procedures, you requested the approval of the Division of Occupational Safety and Health, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

The Husky V34 6250 nozzle with the WayneVac system has successfully completed the required CARB certification testing. I find that the use of the Husky V34 6250 nozzle with a VSG, when installed in accordance with the manufacturer's instructions, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Husky V34 6250 nozzle is certified to be used with the WayneVac and Tokheim MaxVac vapor recovery systems and is subject to the following conditions:

- 1) A vapor splash guard (VSG) shall be installed at the base of the spout, as shown in the enclosed figure.
- 2) The nozzle shall be capable of meeting the air-to-liquid (A/L) performance specifications contained in the Executive Order G-70-153-AA or G-70-154. The A/L ratios for this nozzle do not include

the air aspirator portion of the primary shut off mechanism. Therefore, the A/L data for this nozzle tends to be about 0.05 lower than measurements taken with the certified Husky V34 6200 bootless nozzle. Furthermore, it should be noted that the Husky V34 6250 requires a special adaptor to conduct A/L ratios. Husky shall provide instructions on how to conduct A/L testing similar to the enclosed instructions.

- 3) The nozzle shall have an integral vapor valve which prevents the loss of vapors from the underground storage tanks, ensures proper operation of the system and prevents ingestion of air into the system when another nozzle which is connected to the same vapor pump is used.
- 4) Each nozzle shall be 100 percent performed checked at the factory, including checks of the integrity of the vapor path at a pressure of at least two inches water column and at a vacuum of at least twenty inches water column.

Each of the following situations constitutes a defective nozzle and shall be immediately removed from service. Any nozzle with:

- a) A missing VSG.
- b) A damaged VSG such that at least a one and one-half (1.5) inch slit has developed or has the cumulative damage equivalent to at least 1.5 inch slit.
- c) A damaged VSG such that at least a three-sixteenth (3/16) inch hole has developed or has the cumulative damage equivalent to at least 3/16 inch hole.
- d) A VSG compressing more than one-half (0.5) inches when a compression force of at least 1.5 pounds is applied. (Note: do not include the compression length of the VSG "flange").
- e) Any nozzle not capable of demonstrating compliance with the A/L performance specification as contained in the respective Executive Orders G-70-153-AA or G-70-154.
- f) A defective vapor valve, and all nozzles at the same fueling point (dispenser side).

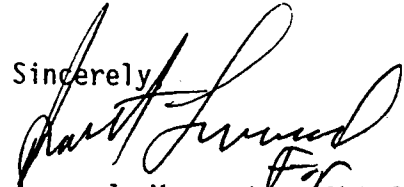
Mr. Arthur Fink

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December 21, 1994

Should you have any questions or need further assistance, please contact Mr. Jorge Fernandez at (916) 445-0383 or Ms. Laura Sullivan McKinney at (916) 327-1525.

Sincerely,



James J. Morgester, Chief
Compliance Division

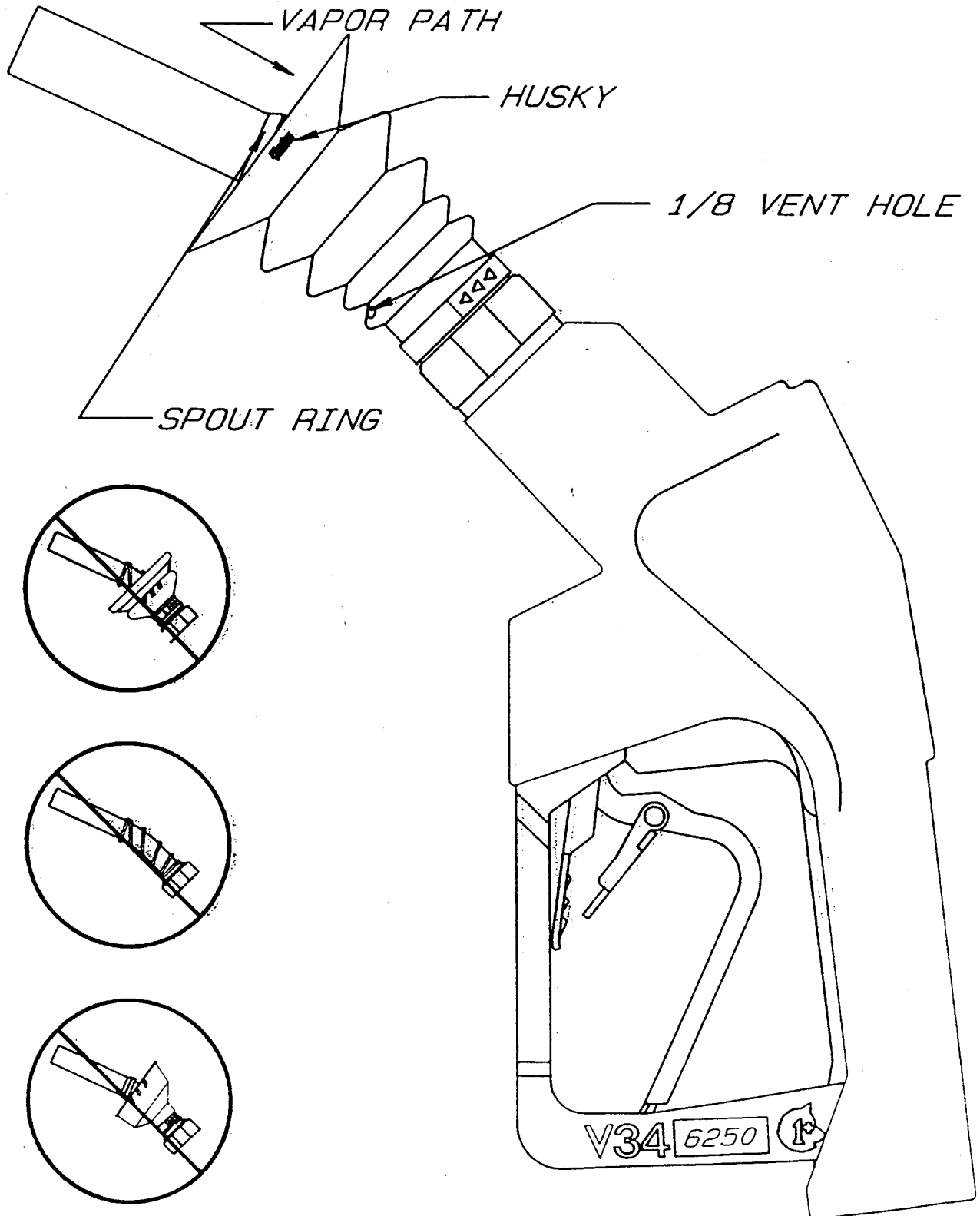
cc: Mr. Kenneth Kunaniec, Chairman,
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager,
CARB Compliance Assistance Section

Mr. Ronald Brilliant, Senior Engineer
Dresser/Wayne

Mr. John Van Daele, Senior Engineer
Tokheim

HUSKY MODEL V34 6250
FOR TOKHEIM MAXVAC SYSTEM
& DRESSER WayneVac SYSTEM

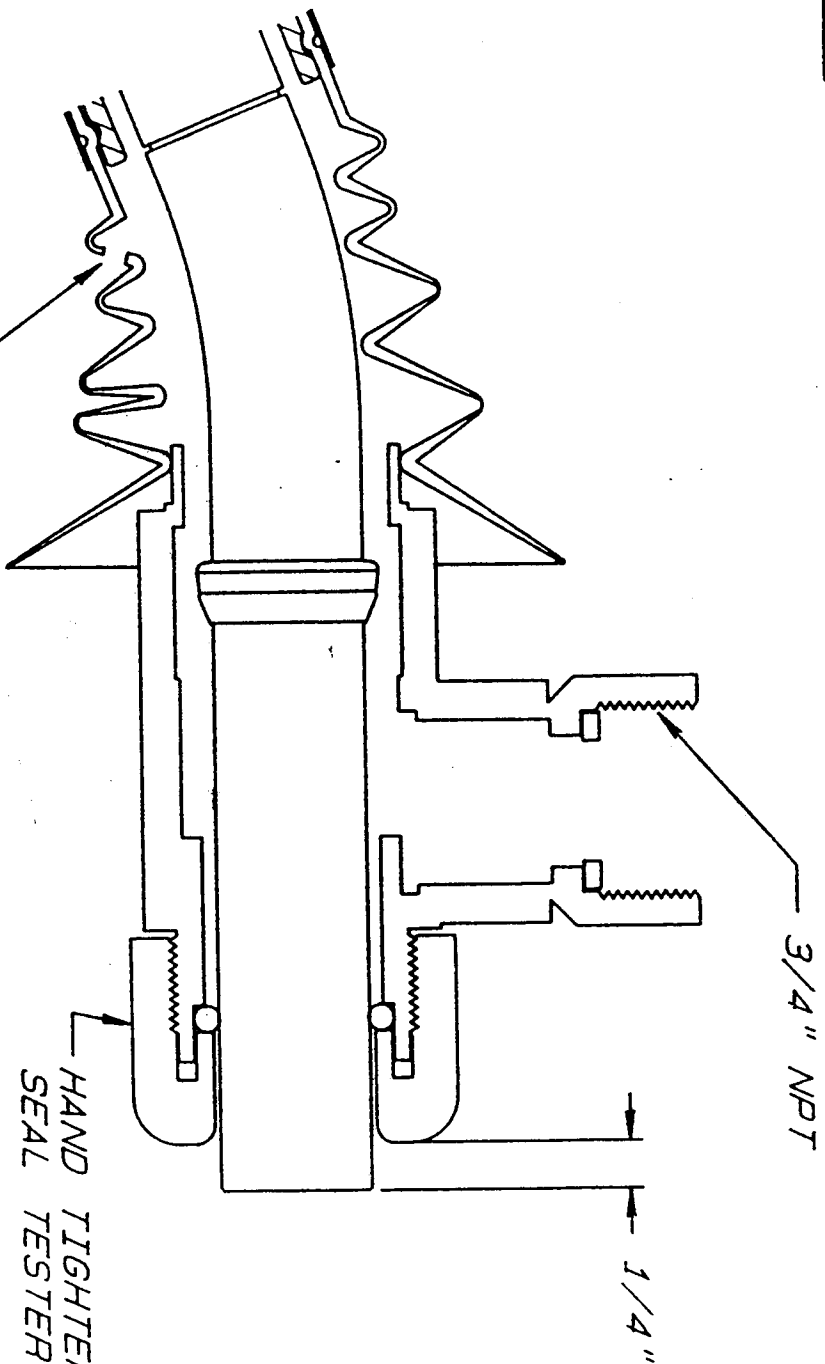




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Instructions for use of the 6250 A/L tester.

- 1) Inspect the Vapor Splash Guard (VSG) and spout for damage. Any tears or extra holes in the VSG will reduce the accuracy of the test.
- 2) Slide the A/L tester over the spout such that 1/4" of the spout is exposed past the nut.
- 3) Hand tighten the nut. This will seal the A/L tester to the spout.
- 4) Pull the VSG up over the smallest step on A/L tester. This will seal the VSG to the tester.
- 5) Using a piece of tape seal the 3/16" hole in the cuff of the VSG.



NOTE: THIS HOLE MUST BE COVERED
DURING TESTING

HAND TIGHTEN NUT
SEAL TESTER ON SPOUT

Husky
1st DALEY INDUSTRIAL PARK
PACIFIC, MISSOURI 63063

THIS DRAWING CONTAINS PROPRIETARY INFORMATION OF HUSKY
CORP. AND SHALL BE MAINTAINED IN A CONFIDENTIAL MANNER.

6250 VSG A/L TESTER

DRAWN BY: TOM APPROVED BY: REVISED:

SCALE: FULL DATE: 9/21/94

MTL. PLASTIC DRAWING NUMBER 6250AL2

TOLERANCES
DECIMALS $\pm .005$
FRACTIONAL $\pm 1/64$
ANGLES $\pm 1/2$